

What is claimed is:

1. A catalyst for purification of exhaust gas comprising:
a carrier, and
a catalyst layer containing an alkali metal and/or an
5 alkaline earth metal, the catalyst layer being loaded on the
carrier,
in which catalyst the carrier-composing material contains Si
in an amount of 0.5 to 10.0% by weight as expressed as an
oxide.
- 10 2. A catalyst for purification of exhaust gas according to
Claim 1, wherein the carrier-composing material contains Si
in an amount of 1.0 to 6.0% by weight as expressed as an
oxide.
- 15 3. A catalyst for purification of exhaust gas according to
Claim 1, wherein the carrier has a thermal expansion
coefficient of $6.0 \times 10^{-6} / {}^\circ\text{C}$ or less.
4. A catalyst for purification of exhaust gas according to
Claim 1, wherein the carrier-composing material is aluminum
titinate.
- 20 5. A catalyst for purification of exhaust gas according to
Claim 4, wherein the carrier-composing material further
contains Mg and/or Fe.
6. A catalyst for purification of exhaust gas according to
Claim 1, wherein the catalyst layer contains K.
- 25 7. A catalyst for purification of exhaust gas according to
Claim 1, wherein the carrier is a honeycomb carrier. 502/527.19
8. A catalyst for purification of exhaust gas according to
Claim 1, wherein the catalyst layer contains at least one
kind of noble metal selected from Pt, Pd and Rh.

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